

Abstract:

Method for Determining the Magnetic Flux in at Least One Solenoid Valve Which Can Be Electrically Driven by Way of a Driver Stage

A method and circuit arrangement for determining the magnetic flux in at least one inductive component (1) which is electrically drivable by way of an electronic actuation or driver stage (3) by means of a drive signal (6), by evaluation and adjustment of a measuring signal induced by the magnetic flux of the inductive component using an electronic measuring device (4), and the magnetic-flux-responsive measuring signal (5) measured at the inductive component is actively maintained at a substantially constant value by means of the measuring device or the electronic actuation or the driver stage (3), and the time ( $t_1$ ,  $t_c$ ) is determined during which the drive signal is triggered, which acts on the inductive component with production of the measuring signal.

(Figure 1)